

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/764,379  
Source: 1FWO  
Date Processed by STIC: 2/16/05

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 02/16/2005

PATENT APPLICATION: US/10/764,379

TIME: 11:24:22

Input Set : A:\6356USC1 SEQUENCE LISTING.TXT

Output Set: N:\CRF4\02162005\J764379.raw

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4 <110> APPLICANT: Abbott Laboratories
5     Henkin, Jack
6     Haviv, Fortuna
7     Bradley, Michael F.
8     Kalvin, Douglas M.
9     Schneider, Andrew J.
11 <120> TITLE OF INVENTION: PEPTIDE ANTIANGIOGENIC DRUGS
14 <130> FILE REFERENCE: 6356.US.C1
C--> 16 <140> CURRENT APPLICATION NUMBER: US/10/764,379
17 <141> CURRENT FILING DATE: 2004-01-23
19 <150> PRIOR APPLICATION NUMBER: US 09/447,226
20 <151> PRIOR FILING DATE: 1999-11-22
22 <150> PRIOR APPLICATION NUMBER: US 09/316,888
23 <151> PRIOR FILING DATE: 1999-05-21
25 <150> PRIOR APPLICATION NUMBER: US 60/126,546
26 <151> PRIOR FILING DATE: 1999-03-26
28 <150> PRIOR APPLICATION NUMBER: US 60/086,536
29 <151> PRIOR FILING DATE: 1998-05-28
31 <160> NUMBER OF SEQ ID NOS: 6
33 <170> SOFTWARE: FastSEQ for Windows Version 4.0
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 10
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Antiangiogenetic Peptide
W--> 43 <221> NAME/KEY: VARIANT
44 <222> LOCATION: (1)...(1)
45 <223> OTHER INFORMATION: Xaa = Ala, Asn, Cit, Gln, Glu, NEtGly, Met,
46     N-methylalanyl, Pro, pyro-Glu, Sar, Ser, or Thr at
47     position 1
W--> 49 <221> VARIANT
50 <222> LOCATION: (2)...(2)
51 <223> OTHER INFORMATION: Xaa = Ala, Asn, Asp, Gln, Glu, Leu, Met, Phe, Pro,
52     or Ser at position 2
W--> 54 <221> VARIANT
55 <222> LOCATION: (3)...(3)
56 <223> OTHER INFORMATION: Xaa = Ala, Asn, Cit, Cha, Chg, Gln, Glu, Gly, Ile,
57     Leu, Met, Nva, Phe, Ser, tButylgly, Thr, Val, Pen,
58     or Cys at position 3
W--> 60 <221> VARIANT
61 <222> LOCATION: (4)...(4)
62 <223> OTHER INFORMATION: Xaa = alloIle, Gly, Ile, Pro, or dehydroleu at

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63      position 4
W--> 65 <221> VARIANT
66 <222> LOCATION: (5)...(5)
67 <223> OTHER INFORMATION: Xaa = Ala, 3-Pal, 1-Nal, 2-Nal, allo-threonyl,
68      allylgly, Gln, Gly, His, Hser, Ile, Lys(Ac), Met,
69      Nva, Octylgly, Orn, Phe(4-CH2OH), Pro, Ser, Thr,
70      Trp, Tyr, Pen, or Cys at position 5
W--> 72 <221> VARIANT
73 <222> LOCATION: (6)...(6)
74 <223> OTHER INFORMATION: Xaa = Ala, 1-Nal, 2-Nal, 3-Pal, Abu, allylgly,
75      Arg, Asn, Asp, Cit, Cha, Gln, Glu, Gly, His,
76      Homoala, Hle, Hser, Ile, Leu, Lys(Ac), Lys(Isp),
77      at position 6
W--> 79 <221> VARIANT
80 <222> LOCATION: (6)...(6)
81 <223> OTHER INFORMATION: 6 Cont'd:
82      Xaa = Met(O2), Met(O), Met, Nor, Nva, Octylgly,
83      Phe, Phe(4-CONH2), Propargylgly, Ser, Thr, Trp,
84      Tyr, Val, Pen, or Cys at position 6
W--> 86 <221> VARIANT
87 <222> LOCATION: (7)...(7)
88 <223> OTHER INFORMATION: Xaa = Ala, Allylgly, Asn, Cit, Chg, Gln, Gly,
89      Hser, Ile, alloIle, Leu, Lys(Ac), Met, 1-Nal,
90      2-Nal, Nva, Phe, Pro, Ser, tButylgly, Trp, Tyr,
91      Val, Pen, or Cys at position 7
W--> 93 <221> VARIANT
94 <222> LOCATION: (8)...(8)
95 <223> OTHER INFORMATION: Xaa = Aminopyrimidinobutanoyl, Ala(3-guanidino),
96      Ala(3-pyrrolidinylamidino), Ala[4-Pip(N-amidino)],
97      Arg, arginyl(NGNG'diethyl), Cit, Cha(4-NIsp),
98      Gly[4-pip(N-amido)], at position 8
W--> 100 <221> VARIANT
101 <222> LOCATION: (8)...(8)
102 <223> OTHER INFORMATION: 8 Cont'd:
103      Xaa = His, Harg, Lys, Lys(Ile), Lys(Nic), Norarg,
104      Orn(Isp), Orn(Nic), Orn(2-imidazo),
105      Phe(4-CH2NHIsp), Phe(4-guanidino), or Phe(4-NIsp)
W--> 106      at position 8
W--> 108 <221> VARIANT
109 <222> LOCATION: (9)...(9)
110 <223> OTHER INFORMATION: Xaa = Abu, Aib, homopropyl, hydroxypropyl, Ile,
111      Leu, Phe, Pro, Ser, tButylgly, Tic, Thr, or Val at
112      position 9
W--> 114 <221> VARIANT
115 <222> LOCATION: (10)...(10)
116 <223> OTHER INFORMATION: Xaa = azaglycylamide, glycylamide,
117      glycylethylamide, sarcosylamide, serylamide at
118      position 10
W--> 120 <400> 1

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W--> 121 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
      122 1 5 10
      125 <210> SEQ ID NO: 2
      126 <211> LENGTH: 9
      127 <212> TYPE: PRT
      128 <213> ORGANISM: Artificial Sequence
      130 <220> FEATURE:
      131 <223> OTHER INFORMATION: Antiangiogenetic peptide
W--> 133 <221> NAME/KEY: VARIANT
      134 <222> LOCATION: (1)...(1)
      135 <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W--> 137 <221> VARIANT
      138 <222> LOCATION: (6)...(6)
      139 <223> OTHER INFORMATION: Xaa = norvaline at position 6
W--> 141 <400> 2
W--> 142 Xaa Gly Val Ile Thr Xaa Ile Arg Pro
      143 1 5
      146 <210> SEQ ID NO: 3
      147 <211> LENGTH: 9
      148 <212> TYPE: PRT
      149 <213> ORGANISM: Artificial Sequence
      151 <220> FEATURE:
      152 <223> OTHER INFORMATION: Antiangiogenetic peptide
W--> 154 <221> NAME/KEY: VARIANT
      155 <222> LOCATION: (1)...(1)
      156 <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W--> 158 <221> VARIANT
      159 <222> LOCATION: (6)...(6)
      160 <223> OTHER INFORMATION: Xaa = norvaline at position 6
W--> 162 <400> 3
W--> 163 Xaa Gly Val Gly Thr Xaa Ile Arg Pro
      164 1 5
      167 <210> SEQ ID NO: 4
      168 <211> LENGTH: 9
      169 <212> TYPE: PRT
      170 <213> ORGANISM: Artificial Sequence
      172 <220> FEATURE:
      173 <223> OTHER INFORMATION: Antiangiogenetic peptide
W--> 175 <221> NAME/KEY: VARIANT
      176 <222> LOCATION: (1)...(1)
      177 <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W--> 179 <221> VARIANT
      180 <222> LOCATION: (4)...(4)
      181 <223> OTHER INFORMATION: Xaa = allo-isoleucyl at position 4
W--> 183 <221> VARIANT
      184 <222> LOCATION: (6)...(6)
      185 <223> OTHER INFORMATION: Xaa = norvaline at position 6
W--> 187 <400> 4
W--> 188 Xaa Gly Val Xaa Thr Xaa Ile Arg Pro

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Output Set : N:\CRF4\02162005\J764379.raw

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189 1 5
192 <210> SEQ ID NO: 5
193 <211> LENGTH: 9
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Antiangiogenetic peptide
W--> 200 <221> NAME/KEY: VARIANT
201 <222> LOCATION: (1)...(1)
202 <223> OTHER INFORMATION: Xaa = sarcosyl at position 1
W--> 204 <221> VARIANT
205 <222> LOCATION: (4)...(4)
206 <223> OTHER INFORMATION: Xaa = dehydroleucyl at position 4
W--> 208 <221> VARIANT
209 <222> LOCATION: (6)...(6)
210 <223> OTHER INFORMATION: Xaa = norvaline at position 6
W--> 212 <400> 5
W--> 213 Xaa Gly Val Xaa Thr Xaa Ile Arg Pro
214 1 5
217 <210> SEQ ID NO: 6
218 <211> LENGTH: 11
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Antiangiogenetic Peptide
W--> 225 <221> NAME/KEY: VARIANT
226 <222> LOCATION: (1)...(1)
227 <223> OTHER INFORMATION: Xaa = R-(CH2)n-C(O)- where R is N-acetylamino at
228 position 1
W--> 230 <221> VARIANT
231 <222> LOCATION: (2)...(2)
232 <223> OTHER INFORMATION: Xaa = Sar at position 2
W--> 234 <221> VARIANT
235 <222> LOCATION: (5)...(5)
236 <223> OTHER INFORMATION: Xaa = AlloIle, dehydroleu, Gly, Ile or Pro at
237 position 5
W--> 239 <221> VARIANT
240 <222> LOCATION: (6)...(6)
241 <223> OTHER INFORMATION: Xaa = Ala, 3-Pal, 1-Nal, 2-Nal, allo-threonyl,
242 allylgly, Gln, Gly, His, Hser, Ile, Lys(Ac), Met,
243 Nva, Octylgly, Orn, Phe(3-CH2OH), Pro, Ser, Thr,
244 Trp, Tyr, Pen or Cys at position 6
W--> 246 <221> VARIANT
247 <222> LOCATION: (7)...(7)
248 <223> OTHER INFORMATION: Xaa = Ala, 1-Nal, 2-Nal, 3-Pal, Abu, allylgly,
249 Arg, Asn, Asp, Cit, Cha, Gln, Glu, Gly, His,
250 Homoala, Hle, Hser, Ile, Leu, Lys(Ac), Lys(Isp),
251 at position 7
W--> 253 <221> VARIANT

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Output Set: N:\CRF4\02162005\J764379.raw

254 <222> LOCATION: (7)...(7)  
255 <223> OTHER INFORMATION: 7 Con'td:  
256 Xaa = Met(O2), Met(O), Met, Nor, Nva, Octygly,  
257 Phe, Phe(4-CONH2), Proparglygly, Ser, Thr, Trp,  
258 Tyr, Val, Pen, or Cys at position 7  
W--> 260 <221> VARIANT  
261 <222> LOCATION: (11)...(11)  
262 <223> OTHER INFORMATION: Xaa = Azaglycylamide, glycylamide,  
263 glycylethylamide, sarcosylamide, serylamide at  
264 position 11  
W--> 266 <400> 6  
W--> 267 Xaa Xaa Gly Val Xaa Xaa Xaa Ile Arg Pro Xaa  
268 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/764,379

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Input Set : A:\6356USC1 SEQUENCE LISTING.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,3,4,5,6,7,8,9,10

Seq#:2; Xaa Pos. 1,6

Seq#:3; Xaa Pos. 1,6

Seq#:4; Xaa Pos. 1,4,6

Seq#:5; Xaa Pos. 1,4,6

Seq#:6; Xaa Pos. 1,2,5,6,7,11

## VERIFICATION SUMMARY

DATE: 02/16/2005

PATENT APPLICATION: US/10/764,379

TIME: 11:24:23

Input Set : A:\6356USC1 SEQUENCE LISTING.TXT

Output Set : N:\CRF4\02162005\J764379.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:43 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:49 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:54 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:60 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:65 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:72 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:79 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:86 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:93 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:100 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:106 M:259 W: Allowed number of lines exceeded, <223> Other Information:  
L:108 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:114 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:120 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:133 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:137 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2  
L:141 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2  
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:154 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:158 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:162 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:175 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:179 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:183 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:200 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:204 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:212 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:225 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:230 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:234 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:239 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:246 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:253 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:266 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0